THE DEPUTY COMMONWEALTH STATISTICIAN, BOX 1433J, G.P.O., ADELAIDE

TELEPHONE: 83 69



## COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

In reply quote No.

EIGHTH FLOOR,
DA COSTA BUILDING,
68 GRENFELL STREET,
ADELAIDE

## RURAL PRODUCTION

SOUTH AUSTRALIA

YEAR ENDED 31ST MARCH 1962

This bulletin summarizes detailed information published in Bulletins
No. 20, "Livestock, 31st March 1962", and No. 23 "Cereals, Season
1961-62", recently issued from this Bureau, and shows in addition
particulars concerning areas and yields of other crops, rural employment, use of
artificial fertilizers, machinery on rural holdings, and direct oversea exports of rural
produce. It also lists some South Australian records associated with rural production.

AREA AND
UTILIZATION
OF HOLDINGS
The total area of holdings increased slightly during 1961-62 to
156,897,000 acres. The area of 10,942,000 acres under cultivation
(crops, sown pasture, and fallow) was 333,000 acres more than the
previous highest of 10,609,000 acres in 1960-61. The total area of
crops decreased from 4,966,000 acres in 1960-61 (the maximum in recent
years) to 4,509,000 acres, the reduction being mainly in the area devoted to growing
cereals for grain and hay.

The area sown to cereals for grain increased from 3,009,000 acres in 1957-58 to 4,083,000 acres in 1960-61 but declined in 1961-62 to 3,856,000 acres. The area under wheat for grain increased from 1,331,000 acres in 1957-58 to 2,229,000 acres in 1961-62. The greatest area sown to wheat for grain was 4,181,000 acres in 1930-31.

After increasing fairly steadily for thirty years from less than 20,000 acres in 1920-21 to 1,066,000 acres in 1950-51 the area sown to pastures increased rapidly during the subsequent eleven years to 5,245,000 acres in 1961-62. The increase of 646,000 acres in 1961-62 occurred mainly in three Divisions - South Eastern 235,000 acres, Western 166,000 acres, and Murray Mallee 125,000 acres.

TABLE 1 - AREA AND UTILIZATION OF RURAL HOLDINGS, SOUTH AUSTRALIA

Particulars	1957-58	1958-59	1959-60	1960-61	1961-62
- 1-40-p-10-to-4 distribution-state or state-military are state-state paper and proper administrative approach as a great paper and proper administrative approach as a great paper and proper administrative approach as a great paper and proper administrative approach and proper administrative app		energiane en reference account à commune de la companier : a commune de la companier de la com	1000 Acres	aganadiga nusara francision, nua a passione a passioni suore septem securi e il galesconsio	
Cereals for grain Field Peas (grain) Hay Green Forage Vineyards Orchards Vegetables (a) Other Crops	3,009 37 291 425 57 35 18 34	3,278 33 420 265 57 37 18 40	3,383 27 245 261 57 37 16 33	4,083 26 393 313 57 38 17	3,856 29 209 273 58 38 17 29
Total Crops	3,906	4,148	4,059	4,966	4,509
Sown Pastures - Lucerne Clover & other Fallow Land Balance of Holdings	327 4,022 753 143,037	289 3,909 954 143,012	341 3,275 726 147,036	432 4,166 1,045 145,847	516 4,729 1,188 145,955
Total Area	152,045	152,312	155,437	156,456	156,897

<sup>(</sup>a) Includes areas of potatoes grown for seed but excludes areas of other vegetables grown for stock fodder or seed.

TERMINE.

RURAL EMPLOYMENT The following table shows for each of the last three years the number of persons employed in March and the value of wages paid (including keep where applicable) during the twelve months ended 31st March.

TABLE 2 - RURAL EMPLOYMENT (a), SOUTH AUSTRALIA

Particulars	196	50	1961	Tagging and the Congress of Section 1985 and the Se	1962	1962	
10101001010	Males	Females	Males	Females	Males	Females	
Permanent Workers - Owners, Occupiers, etc. Unpaid relatives Paid employees Wages paid £'000	23,022 2,690 8,059 5,629	1,473 519 592 236	23,403 2,626 7,926 5,730	1	24,061 1,734 7,947 5,863	1,122 462 499 229	
Temporary Workers (b) - Paid employees Wages paid £'000	17,308 4,870	4,638 349	17,116 (c) 4,206	4,626 366	15,140 (c) 4,185	4,661 401	

- (a) Excludes females engaged mainly in domestic duties and other workers engaged only part time.
- (b) Working full time during period of engagement.
- (c) Excludes payments for construction or development work.

ARTIFICIAL FERTILIZERS USED

The decrease in area under crop and the increase in the area of sown pastures in 1961-62 were matched by corresponding changes in areas fertilized (see Table 4). Of the 195,000 tons of superphosphate used on crops 13,000 tons contained trace elements while 26,000 tons with

trace elements were included in the 197,000 tons used on pastures. There has been very little change in recent years in the proportion of area under crop fertilized and in the quantity of fertilizer per acre applied to crops and pasture.

TABLE 3 - PRINCIPAL CROPS AND PASTURE FERTILIZED, SOUTH AUSTRALIA, 1961

Particulars	Area	Fertilizers	Total	
THE COLUMN TWO PROPERTY AND ADDRESS OF THE COLUMN TO SERVICE AND ADDRESS OF THE COLUMN TWO ADDRE	Fertilized	Superphosphate	Other	per acre
	Acres	Tons	Tons	Lb.
Wheat (all purposes) Vegetables Fruit and Vines Other Crops	2,190,699 12,632 51,501 1,807,989	101,025 3,221 3,655 86,825	484 3,742 6,624 471	103.8 1,234.7 447.1 108.2
Total Crops	4,062,821	194,726	11,321	113.6
Pastures	3,582,629	196,637	1,549	123.9
Grand Total	7,645,450	391,363	12,870	118.4

TABLE 4 - CROPS FERTILIZED AND PASTURES TOP-DRESSED, SOUTH AUSTRALIA

Particulars	Unit	1958	1959	1960	1961
Crops fertilized Fertilizer used Cropped area fertilized Fertilizer per acre	'000 acres	3,692	3,679	4,326	4,063
	ton	192,168	188,733	209,387	206,047
	%	89.0	90.6	87.1	90.1
	lb.	116.6	114.9	108.4	113.6
Pastures fertilized Fertilizer used Fertilizer per acre	'000 acres	3,716	3,471	3,300	3,583
	ton	218,728	202,895	189,704	198,186
	lb.	131.9	130.9	128.8	123.9

ejare je je removjere i daga (eje tir iz je je teriori) edat gati ga komponisti daga se removi se menosisti sam teriori di de je komenta e le le le componisti de comp 351, Q. EN.

AREA AND YIELD OF CROPS Tables 5, 6, 7, and 8, show details of areas and yields of the principal crops grown in South Australia during 1961-62 compared with similar details for previous years.

The yields of cereals, hay, and field peas, were all considerably lower in 1961-62 than in the high rainfall year of 1960-61. More detail of the 1961-62 cereal harvest is contained in Bulletin No. 23 of 1962, "Cereals, Season 1961-62".

TABLE 5 - CEREALS AND HAY : AREA AND YIELD, SOUTH AUSTRALIA

CONTRACTOR OF THE STATE OF THE	the stands were to become the standard	a general and depleted a service of the deposition of the depositi	to the speciment with a court to proper the speciment of	The same of the sa	
Unit	1957-58	1958–59	1959-60	1960-61	1961-62
	1				
1000 2000	1 221	1 407	1 5/19	1.969	2,229
					33,854
					15.19
busn.	11.20	22.10	1.10	23.90	17.19
1000	4 040	4 220	1 000	1 556	1 071
					1,271
					21,292
bush.	14.48	28.27	9.19	21.15	16.75
					. 201
		1	1	1	324
*000 bush.		11,992			4,391
bush.	8.01	24.93	4.95	22.41	13.57
1000 acres	39	57	37		32
1000 bush.	152	446	125	264	167
bush.	3.91	7.81	3.35	5.73	5.18
1000 acres	37	34	27	26	29
1000 bush.	188	518	58	358	256
bush.	5.07	15.44	2.17	13.71	8.93
1000 acres	291	420	245	393	209
	1	672	206	616	286
		1.60	0.84	1.57	1.37
	1000 acres 1000 bush. bush.  1000 acres 1000 bush. bush.  1000 acres 1000 bush. bush.  1000 acres 1000 bush. bush.	1000 acres 1,331 1000 bush. 14,914 bush. 11.20 1000 acres 1,212 1000 bush. 17,552 bush. 14.48 1000 acres 427 1000 bush. 3,423 bush. 8.01 1000 acres 39 1000 bush. 152 bush. 3.91 1000 acres 37 1000 bush. 188 bush. 5.07	1000 acres       1,331       1,407         1000 bush.       14,914       32,032         bush.       11.20       22.76         1000 acres       1,212       1,332         1000 bush.       17,552       37,664         bush.       14.48       28.27         1000 acres       427       481         1000 bush.       3,423       11,992         bush.       3.91       24.93         1000 acres       39       57         1000 bush.       152       446         bush.       3.91       7.81         1000 bush.       188       518         bush.       5.07       15.44         1000 acres       291       420         1000 tons       304       672	1000 acres       1,331       1,407       1,549         1000 bush.       14,914       32,032       11,929         bush.       11.20       22.76       7.70         1000 acres       1,212       1,332       1,290         1000 bush.       17,552       37,664       11,857         bush.       14.48       28.27       9.19         1000 acres       427       481       505         1000 bush.       3,423       11,992       2,504         bush.       8.01       24.93       4.95         1000 acres       39       57       37         1000 bush.       152       446       125         bush.       3.91       7.81       3.35         1000 acres       37       34       27         1000 bush.       188       518       58         bush.       5.07       15.44       2.17         1000 acres       291       420       245         1000 tons       304       672       206	!000 acres       1,331       1,407       1,549       1,969         !000 bush.       14,914       32,032       11,929       46,396         bush.       11.20       22.76       7.70       23.56         !000 acres       1,212       1,332       1,290       1,556         !000 bush.       17,552       37,664       11,857       42,233         bush.       14.48       28.27       9.19       27.15         !000 acres       427       481       505       512         !000 bush.       3,423       11,992       2,504       11,478         bush.       8.01       24.93       4.95       22.41         !000 acres       39       57       37       46         !000 bush.       152       446       125       264         bush.       3.91       7.81       3.35       5.73         !000 acres       37       34       27       26         !000 bush.       188       518       58       358         bush.       5.07       15.44       2.17       13.71         !000 acres       291       420       245       393         !000 tons       304

TABLE 6 - VEGETABLES (a) : AREA AND PRODUCTION, SOUTH AUSTRALIA

Vegetable	Acr	es		Yields	
Aegerabie	1960–61	1961–62	Unit	1960-61	1961-62
Beans - French	318	282	bush.	54, 221	55,947
Beetroot	140	127	ton	1,044	937
Cabbage	380	368	doz.	168,606	167,047
Carrots	305	343	ton	4,001	4,367
Cauliflowers	450	494	doz.	196,029	182,259
Celery	331	348	crate	194,469	216,892
Lettuce	404	445	case	215,291	237,916
Onions	657	753	ton	5,947	6,915
Parsnips	70	72	ton	660	.718
Peas - Green	5,908	4,894	bush.	385,761	293,059
Potatoes (b)	5,209	5,316	ton	40,797	48,479
Pumpkins etc.	.949	944	ton	5,556	4,845
Tomatoes	1,250	1,422	bush.	609,059	760,667
Turnips	265	234	ton	1,660	1,543
All other	673	699	• •		••
Total	17,309	16,741	• •	• •	diagram and the second

<sup>(</sup>a) Vegetables grown for human consumption. Excludes vegetables grown for stock fodder or seed (see also footnote (b)).

<sup>(</sup>b) Includes potatoes grown for seed.

ing Magazine and Silver a (19) and parties and

. was Mile and a

The area under vines (bearing and non-bearing) in 1961-62 was 57,836 acres (53,004 acres bearing and 4,832 acres non-bearing). Peak area was 62,121 acres in 1953-54. The 30,836,000 gallons of wine produced in 1961-62 exceeded by 4,436,000 gallons the previous record of 26,400,000 gallons produced in 1957-58. The quantity of grapes harvested (the preliminary figure is 215,707 tons) was very close to the record harvest of 215,736 tons in 1952-53.

TABLE 7 - VINEYARDS : AREA AND PRODUCTION, SOUTH AUSTRALIA

Particulars	Acres B	earing		Yield			
	1960-61	1961-62	Unit	1960-61	1961–62		
Vines - Wine grapes Table grapes Drying grapes	42,287 269 10,358	42,306 208 10,490	ton ton ton	137,694 1,067 39,529	172,008(b) 1,037 42,662(b)		
Cotal	52 <b>,</b> 914	53,004		178,290	215,707(ъ)		
Produce - Wine (a) Dried fruit -	• •	••	'000 gal.	25,061	30,836(b)		
Currants Sultanas Raisins	••	••	cwt cwt cwt	90,860 115,900 19,120	55,640(b) 170,240(b) 17,900(b)		

(a) Excludes fortifying spirits added. (b) Preliminary.

The total area of orchards has been increasing steadily in recent years, and records have been established in each year from 1956-57 (33,998 acres) to 1961-62 (38,548 acres). In 1961-62 record yields of apricots, oranges, peaches, and pears, were obtained.

TABLE 8 - ORCHARDS : BEARING TREES AND YIELD, SOUTH AUSTRALIA

Variety	Bearin	g Trees	Yield		
V C. 2. 2. 0. J	1960-61	1961-62	Unit	1960-61	1961-62
Almonds Apples Apricots Cherries Citrus -	290,178 555,190 356,750 52,603	303,203 545,559 364,293 52,251	cwt bush. bush. bush.	15,452 1,253,706 755,560 45,730	17,314 1,275,710 806,347 49,636
Lemons, Limes Navel Oranges Valencia Oranges Other Citrus Figs Nectarines Olives Peaches Pears Plums, Prunes	19,604 312,060 293,721 53,404 15,893 16,606 35,825 298,364 154,766 108,728	19,906 319,998 313,121 54,165 14,016 17,575 33,323 348,493 164,988 106,131	bush. bush. bush. bush. cwt bush. bush. bush. bush.	39,338 816,484 686,400 180,626 20,633 28,486 4,852 573,086 337,332 123,375	38,933 891,643 964,058 191,127 15,893 33,716 (b) 842,409 434,480 104,034

(b) Not yet available.

The production of honey and beeswax fluctuates considerably from year to year, depending upon seasonal conditions. The average yield of honey per productive hive in 1961-62 was 136.6 lb. and honey production was the highest since the record of 10,906,000 lb. obtained in 1948-49.

TABLE 9 - BEEKEEPING : HIVES AND PRODUCTION (a), SOUTH AUSTRALIA

Particulars		1957-58	1958-59	1959-60	1960-61	1961-62
Beekeepers Productive Hives Unproductive Hives Honey Beeswax	lb.	936 56,245 27,831 4,150,911 86,488	838 56,478 16,569 5,452,852 80,173	823 59,242 11,504 7,220,602 106,211	838 47,298 18,658 4,442,217 59,227	906 61,545 10,162 8,404,895 123,298

<sup>(</sup>a) Excludes particulars for producers having less than 5 hives.

The end of the control of the contro 4. Faddensanbardag dom tima 5 inthone LIVESTOCK

During the season 1961-62 the numbers of all livestock except horses increased, and at 31st March 1962 the numbers of sheep, beef cattle, and dairy cattle, in South Australia were the highest ever recorded. New records were also set for the wool clip (shorn wool), total wool production, lambs marked, and the production of cheese and milk.

TABLE 10 - LIVESTOCK : NUMBERS AND PRODUCTION, SOUTH AUSTRALIA

					And were the second of the sec
Particulars	1957-58	1958-59	1959-60	1960-61	1961-62
Stock at end of year -			1000		
Sheep Cattle -	15,237	15,634	14,025	14,952	16,415
Dairy Cows (a) Other Dairy Beef Horses Pigs Poultry	191 68 338 36 108	188 61 328 33 98 1,322	170 70 260 30 109 1,857	170 77 313 27 144 1,966	183 92 385 26 170 2,132
Lambing -		Action of the control			
Ewes mated Lambs marked	6,568 5,056	6,010 4,572	6,746 5,245	5,797 4,192	7,076 5,644
Slaughterings -					
Sheep Lambs Cattle and Calves Pigs	1,894 1,384 283 175	1,760 1,385 287 179	2,236 1,663 238 171	1,573 1,211 174 183	1,644 1,471 201 231
Production -			1000 Lb.	4.16	
Wool Clip Wool Production (b) Butter Cheese Bacon and Ham	168,194 185,843 16,061 23,510 6,997	170,645 186,842 16,103 25,088 6,875	180,236 198,289 14,151 24,483 6,979	162,876 177,413 15,610 28,345 7,035	192,205 (c) 207,262 (c) 16,879 (c) 32,832 (c) 6,968
			000 Gallons		
Milk	80,600	82,070	78,484	87,030	(c) 94,349

(a) Includes cows, "in milk" and "dry", and "springing" heifers.
(b) Includes wool exported on skins and dead and fellmongered wool.
(c) Preliminary.

n.a. Not available.

MACHINERY

Numbers of principal machines on rural holdings at 31st March in each of the last five years are shown in the following table:-

TABLE 11 - MACHINERY ON RURAL HOLDINGS, SOUTH AUSTRALIA

The production of the producti	Marrier C. (Charles and C.) A responsibility to the second design of the control	A STATE OF THE PARTY OF THE PAR			-
Particulars	1958	1959	1960	1961	1962
	The second section is the second second second second section and second	Reministrativa vitari - resumministrativa pilapata palapaga partir tika ni manga anaka anaka anaka anaka anaka	Number	AND THE RESIDENCE OF THE SECOND STATE OF THE S	And the second s
Tractors - Wheeled Crawler Rotary Hoes Fertilizer Distributors Drills and Combines Harvesters etc. Hay Presses Hay Balers Milking Machines - No. Units Shearing Machines - No. Stands	24,100 3,188 3,507 6,895 18,452 13,024 689 2,184 7,344 17,206 13,280 24,697	25,342 3,190 4,015 7,545 19,278 13,053 715 2,732 7,537 17,777 13,778 25,586	25,774 3,191 4,106 7,695 19,608 13,006 700 2,941 7,575 17,920 13,973 26,049	27,269 3,405 4,620 8,000 19,760 12,799 719 3,422 7,589 18,235 14,317 26,568	28, 289 3, 499 4, 873 8, 271 20, 086 12, 831 655 3, 534 7, 707 18, 831 14, 532 27, 278

ring the case of the number of the street except on the case of th ALLARISUA HIUOS , DIE ..... 3 . 284 July 2 376 anolisi Maj 364, 7 (C4.10) or a definition of the analysis of the design heilens. 1001 285,68 VLL " 101 (1) 600 (1) 100 (2) 104 (2) 1,873 equ. M. 26,066 10,001 655 3,534 7,707 1,031 1,532 1,532 1,532 718.23 16.235 14.317 110. M 76. M 876,61 3, 26. TITO GUIT 1,697 Sec. 13. 26,56%

PRODUCTION RECORDS

New records were established in the 1961-62 season for the production of wine, apricots, oranges, peaches, pears, wool, lambs, and cheese, for the numbers of sheep, beef cattle, and dairy cattle, at 31st March, and for the area under sown pastures.

TABLE 12 - RURAL INDUSTRY: RECORD PRODUCTION, NUMBERS, ETC., SOUTH AUSTRALIA

Item	Unit	Quantity	Year	Item	Unit	Quantity	Year
Cereals -	er e			Livestock		and the second s	
Total yield -			1	Numbers -			
Wheat	1000 bush.		1931-32	Sheep	1000		1961-62
Barley	1000 bush.	42,233	1960-61	Beef cattle	1000		1961-62
Oats	'000 bush.	11,992	1958-59	Dairy cattle	1000	274	1961-62
Yield/acre -				Horses	1000	284	1912-13
Wheat (a)	bush.	23.56	1960-61	Pigs	1000	190	1939-40
Barley (a)	bush.	28.27	1958-59	Drandandia			
Oats (a)	bush.	24.93	1958-59	Production - Wool -	9 de la companya de l		
Vineyards -				Clip	1000 lb.	192,205	1961-62
Grapes (b)	ton	215.736	1952-53		1000 lb.	(c)207,262	
Currants	cwt		1943-44	Lambs marked	1000		1961-62
Raisins	cwt		1953-54	Butter	1000 lb.		1939-40
Sultanas	cwt		1943-44	Cheese	1000 lb.	(c)32,832	
Wine	1000 gal.	(c)30,836		Bacon & ham	1000 lb.		1945-46
	Bank	(0)30,030	., 0. 02	Honey	1000 lb.		1948-49
Orchards -				1101103		10,700	1740 47
Almonds	cwt	17,937	1949-50	Area under -			
Apples	1000 bush.		1940-41	Crop	1000 acres	5,426	1930-31
Apricots	1000 bush.		1961-62	Fallow	1000 acres		1932-33
Oranges	1000 bush.	1,925	1961-62	Sown pastures	1000 acres	5,245	1961-62
Pears	1000 bush.	434	1961-62				

<sup>(</sup>a) Slightly greater yields per acre were recorded from small acreages over 100 years ago.

(b) Includes fresh grapes used for drying.

(c) Preliminary.

DIRECT OVERSEA EXPORTS The following table shows the quantities of principal rural products exported overseas from South Australian ports during the last five years; OVERSEA EXPORTS VIA OTHER STATES ARE EXCLUDED.

TABLE 13 - RURAL PRODUCTS : PRINCIPAL OVERSEA EXPORTS, SOUTH AUSTRALIA

Commodity	Unit	1957-58	1958-59	1959-60	1960-61	1961-62 (a)
Butter	1000 lb.	968	1,039	596	607	465
Cheese	1000 lb.	5,800	8,972	8,976	11,164	15,706
Eggs - In Shell	1000 doz.	1,301	323	_	79	421
Not in Shell	1000 lb.	1,960	278	55	546	864
Fruit, Dried - Currants	t000 lb.	8,037	8,111	5,171	6,346	5,225
Raisins	1000 lb.	22,167	22,324	14,802	12,959	14,509
Other	'000 lb.	1,010	2,344	4,341	4,147	3,427
Fresh - Apples	1000 bush.	353	. 222	364		324
Preserved, Pulped	'000 lb.	13,099	9,543	16,745	14,503	21,130
Flour (including Semolina)	ton	56,650	54,089	59,670	72,424	82,780
Grain - Wheat	'000 bush.	14,748	14,386	11,161	23,911	31,134
Barley	1000 bush.	17,592	17,683	13,705	22,427	24,768
Oats	1000 bush.	. 454		18	406	1,148
Honey	1000 lb.	3,717	1,116	2,517	3,140	3,069
Meat (Lamb)	1000 lb.	16,732	21,475	12,145	10,079	5,465
Sheep Skins	1000	3,425	3,061	4,213	2,977	3,161
Wine	1000 gal.	1,401	1,671	1,676	1,813	1,568
Wool - Greasy	1000 lb.	117,256	132,347	132,704	133,261	157,686
Other	1000 lb.	11,256	12,781	13,035	10,316	14,332

(a) Preliminary.

D.L.J. AITCHISON

DEPUTY COMMONWEALTH STATISTICIAN

Commonwealth Bureau of Census & Statistics, ADELAIDE, S.A. 9th October 1962.

on the properties of the control of the control of the property of the propert ALLE MORUA HICKOR A.T. Generalion, Konner nata Propul : 10 .1 : 22: : (25) , Sera Pitati DESCENDED AND SOLVE